

CONTROLLER FOR A HYDROSTATIC TRAVERSING MECHANISM

ABSTRACT OF THE DISCLOSURE

A hydrostatic power train includes a hydraulic pump, which is connected, via a first main pipe and a second main pipe, to a first hydromotor unit driving a front axle and to a second hydromotor unit driving a rear axle. The first and second hydromotor units can be adjusted in terms of their displacement via a first and second variation device. A direction of travel is defined as forward movement (F) or reverse movement (R) by a position of an operating lever. The first and the second variation devices are controlled by a control valve which takes up a first control position upon a forward movement (F) determined by the position of the operating lever and which takes up a second control position upon reverse movement (R) determined by the position of the operating lever and which takes up a second control position upon reverse movement (R) determined by the operating lever. In the first control position, the first variation device is controlled such that the first motor unit is adjusted for a smaller displacement and, in the second control position; the second variation device is controlled such that the second motor unit is adjusted for a smaller displacement.